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| DATE: April 3, 2006   |   |                            |
| PTO IDENTIFIER:   | Application Number 10/720,650-Conf. #1756<br>Patent Number  |                            |
| Inventor:   | Lyane C. Eigler et al.  |                            |
| MESSAGE TO: US Patent and Trademark Office  |   |                            |
| FAX NUMBER: (571) 273-8300  |   |                            |
| FROM: ROBERT R. RICHARDSON, P.S.<br>Robert R. Richardson  |   |                            |
| PHONE: (360) 692-0626   |   |                            |
| Attorney Dkt. #: BA1-03-1495 (03-1495)  |   |                            |
| PAGES (Including Cover Sheet): 39   |   |                            |
| CONTENTS:   | Transmittal (1 page)<br>Amendment Transmittal (1 page)<br>Amendment in Response to Non-Final Office Action (35 pages)<br>Certificate of Transmission (1 page) |                            |
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Application No. (if known): 10/720,650

Attorney Docket No.: BA1-03-1495 (03-1495)

## Certificate of Transmission under 37 CFR 1.8

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40,143

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Fax Cover Sheet (1 page)  
Transmittal (1 page)  
Amendment Transmittal (1 page)  
Amendment in Response to Non-Final Office Action (35 pages)

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|   |    |                        |                        |
|---|----|------------------------|------------------------|
| <b>TRANSMITTAL FORM</b><br>(to be used for all correspondence after initial filing) |    | Application Number     | 10/720,650-Conf. #1756 |
|   |    | Filing Date            | November 24, 2003      |
|   |    | First Named Inventor   | Lynne C. Eigler        |
|   |    | Art Unit               | 2859                   |
|   |    | Examiner Name          | G. K. Verbitsky        |
|   |    | Attorney Docket Number | BA1-03-1495 (03-1495)  |
| Total Number of Pages In This Submission  | 39 |                        |                        |

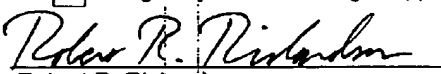
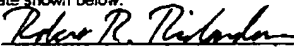
| ENCLOSURES (Check all that apply)  |  |  |
|--|--|--|
| <input type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached<br><input checked="" type="checkbox"/> Amendment/Reply<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input type="checkbox"/> Information Disclosure Statement<br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><input type="checkbox"/> Reply to Missing Parts/Incomplete Application<br><input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) _____<br><input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC<br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input type="checkbox"/> Other Enclosure(s) (please identify below): |
| Remarks  |  |  |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT |                             |          |        |
|--|-----------------------------|----------|--------|
| Firm Name                                  | ROBERT R. RICHARDSON, P.S.  |          |        |
| Signature                                  | <i>Robert R. Richardson</i> |          |        |
| Printed name                               | Robert R. Richardson        |          |        |
| Date                                       | April 3, 2006               | Reg. No. | 40,143 |

|  |   |
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| Date: 4/3/06   | Signature: <i>Robert R. Richardson</i> (Robert R. Richardson) |

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|   |   |   |                                     |      |
|---|---|---|-------------------------------------|------|
| <b>AMENDMENT TRANSMITTAL LETTER</b>   |   |   | Docket No.<br>BA1-03-1495 (03-1495) |      |
| Application No.<br>10/720,650-Cont. #1756   | Filing Date<br>November 24, 2003          | Examiner<br>G. K. Verbitsky             | Art Unit<br>2859                    |      |
| Applicant(s): Lynne C. Eigler et al.  |   |   |                                     |      |
| Invention: SIMPLE HIGH ACCURACY HIGH ENERGY CALORIMETER   |   |   |                                     |      |
| <b>TO THE COMMISSIONER FOR PATENTS</b>  |   |   |                                     |      |
| Transmitted herewith is an amendment in the above-identified application.   |   |   |                                     |      |
| The fee has been calculated and is transmitted as shown below.  |   |   |                                     |      |
| <b>CLAIMS AS AMENDED</b>  |   |   |                                     |      |
|   | Claims<br>Remaining<br>After<br>Amendment | Highest<br>Number<br>Previously<br>Paid | Number<br>Extra Claims<br>Present   | Rate |
| Total Claims  | 30  | - 44 =                                  |                                     | x    |
| Independent<br>Claims   | 3   | - 4 =                                   |                                     | x    |
| Multiple Dependent Claims (check if applicable) <input type="checkbox"/>  |   |   |                                     |      |
| Other fee (please specify):   |   |   |                                     |      |
| <b>TOTAL ADDITIONAL FEE FOR THIS AMENDMENT:</b>   |   |   |                                     | 0.00 |
| <input checked="" type="checkbox"/> Large Entity <span style="margin-left: 100px;"><input type="checkbox"/> Small Entity</span>   |   |   |                                     |      |
| <input checked="" type="checkbox"/> No additional fee is required for this amendment.   |   |   |                                     |      |
| <input type="checkbox"/> Please charge Deposit Account No. _____ in the amount of \$ _____.<br>A duplicate copy of this sheet is enclosed.  |   |   |                                     |      |
| <input type="checkbox"/> A check in the amount of \$ _____ to cover the filing fee is enclosed.   |   |   |                                     |      |
| <input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.   |   |   |                                     |      |
| <input checked="" type="checkbox"/> The Director is hereby authorized to charge and credit Deposit Account No. <u>503048</u><br>as described below. A duplicate copy of this sheet is enclosed.   |   |   |                                     |      |
| <input checked="" type="checkbox"/> Credit any overpayment.   |   |   |                                     |      |
| <input checked="" type="checkbox"/> Charge any additional filing or application processing fees required under 37 CFR 1.16 and 1.17.  |   |   |                                     |      |
| <br>Robert R. Richardson<br>Attorney/Agent Reg. No.: 40,143<br><br>ROBERT R. RICHARDSON, P.S.<br>P.O. Box 2677<br>Silverdale, Washington 98383-2677<br>(360) 692-0626  |   |   | Dated: <u>April 3, 2006</u>         |      |
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Dated: 4/3/06

Signature: *Robert R. Richardson*  
(Robert R. Richardson)Docket No.: BA1-03-1495 (03-1495)  
(PATENT)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:  
Lynne C. Eigler *et al.*

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Application No.: 10/720,650

Confirmation No.: 1756

Filed: November 24, 2003

Art Unit: 2859

For: SIMPLE HIGH ACCURACY HIGH ENERGY  
CALORIMETER

Examiner: G. K. Verbitsky

AMENDMENT IN RESPONSE TO NON-FINAL OFFICE ACTIONMS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

## INTRODUCTORY COMMENTS

In response to the Office Action dated January 26, 2006, please amend the above-identified U.S. patent application as follows:

**Amendments to the Specification** begin on page 3 of this paper.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 6 of this paper.

**Amendments to the Drawings** begin on page 12 of this paper and include attached replacement sheets.

**Remarks/Arguments** begin on page 13 of this paper.

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Application No. 10/720,650  
Amendment dated April 3, 2006  
Non-Final Office Action of January 26, 2006

Docket No.: BA1-03-1495 (03-1495)

An **Appendix** including an amended drawing is attached following page 34 of this paper.